```
from sklearn.metrics import accuracy_score
accuracy_score(Y_test, Y_predict)
```

```
0.9473684210526315
```

```
from sklearn.metrics import confusion_matrix
confusion_matrix(Y_test, Y_predict )
```

```
array([[11,  0,  0],
       [ 0, 11,  1],
       [ 0,  1, 14]])
```

```
from sklearn.metrics import classification_report
print (classification_report(Y_test, Y_predict, target_names=['Iris Setosa','Iris Versicolour','Iris Virginica'] ))
```

```
                 precision    recall  f1-score   support

     Iris Setosa       1.00      1.00      1.00        11
Iris Versicolour       0.92      0.92      0.92        12
  Iris Virginica       0.93      0.93      0.93        15

        accuracy                           0.95        38
       macro avg       0.95      0.95      0.95        38
    weighted avg       0.95      0.95      0.95        38
```